





# GEMINI ADVANCED FUEL FILTRATION

SYSTEM  
MANUFACTURED BY  
SEXTON & PEAKE, INC.

Licensed By British Filters,  
Ltd



# GEMINI SYSTEM PROVIDES

- ✦ PRISTINE QUALITY JET FUEL
- ▢ EXTREMELY LONG RUN INTERVALS
- ▢ LOWEST COST OF FILTRATION PER GALLON
- ▢ MINIMAL MAINTENANCE TIME REQUIRED
- ▢ NO WASTED FUEL
- ▢ VERY LITTLE WASTE GENERATED



5000 BBL/HOUR  
PORTABLE GEMINI  
UNIT

A large blue portable Gemini filtration unit is mounted on a blue metal frame with a yellow crane arm on the left. The unit consists of two large blue cylindrical tanks with "SEXTON & PEAK gemini" written on them, connected by a network of blue pipes. A worker in a dark uniform is standing on a platform between the tanks. The unit is situated on a ship's deck, with other equipment and a worker visible in the background.

5000 BBL / HOUR PORTABLE  
GEMINI FILTRATION UNIT

# GEMINI VS CARTRIDGE FILTRATION

## ✦ GEMINI

- ▢ 0.6 MICRON AT 98% EFFICIENCY
- ▢ \$1.00 = 2,100 BBL. FILTERED
- ▢ FILTER CANDLE LIFE APPROX 10 YEARS
- ▢ VERY LITTLE LABOR NEEDED

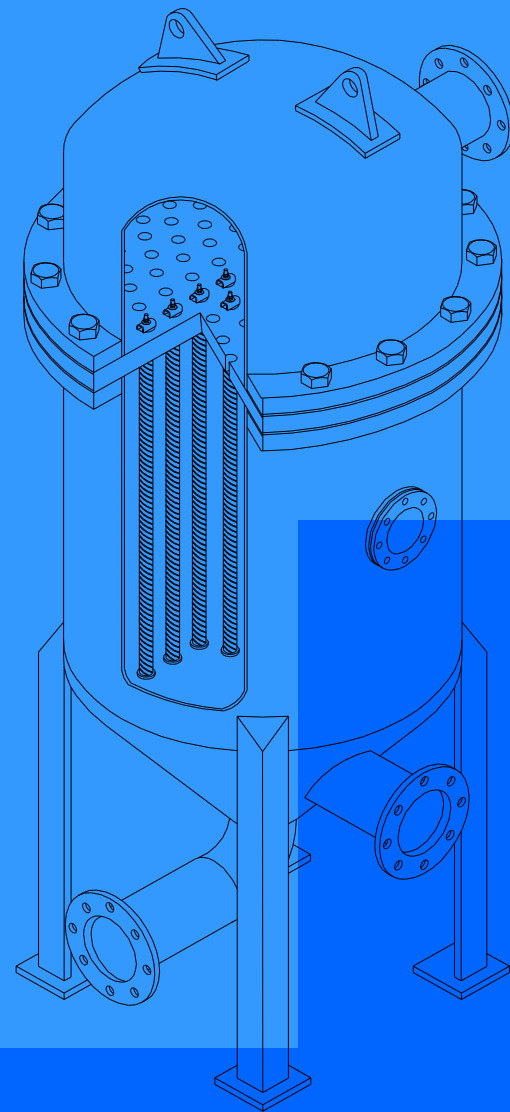
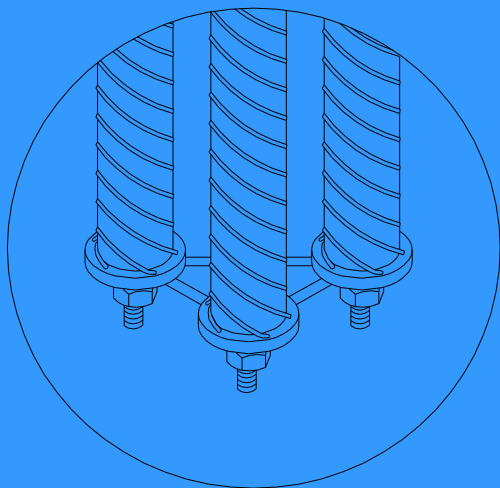
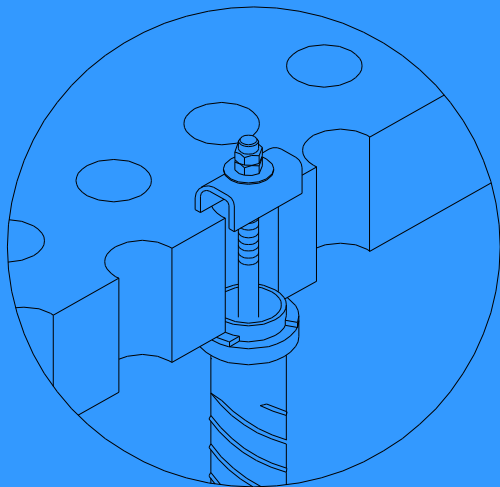
## ▢ CARTRIDGES

- ▢ 5 MICRON AT 98% EFFICIENCY
- ▢ \$1.00 = 12 BBL. FILTERED
- ▢ CARTRIDGES HAVE LIMITED LIFE
- ▢ MANY HOURS REQUIRED PER CHANGEOUT





# Gemini Filter Vessel

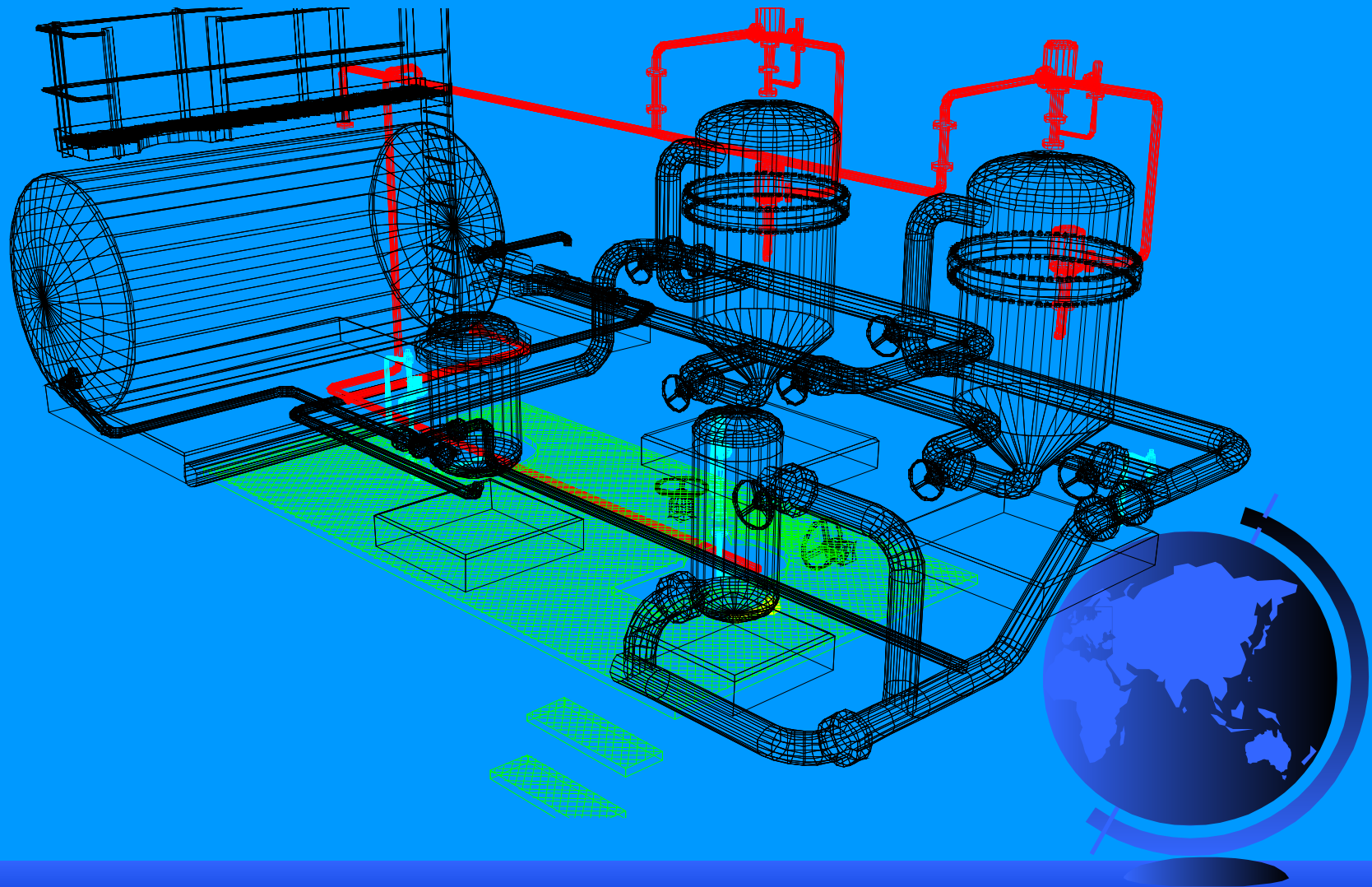


# GEMINI OFFERS SUPERIOR RESULTS

- ✦ SINGLE PASS FILTRATION TIME COMPLIANCE
- ▯ 0.6 MICRON @ 98+% EFFICIENCY
- ▯ CAPABILITY TO IMPROVE THERMAL STABILITY
- ▯ NO CARTRIDGES TO REPLACE
- ▯ LOWEST FILTRATION COST PER GALLON

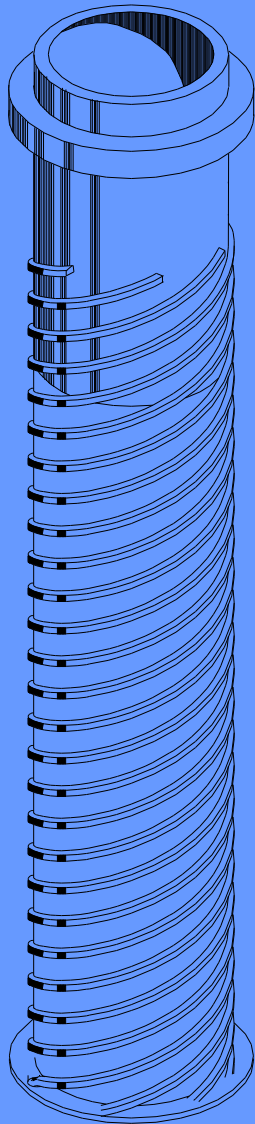


# Gemini Filter System





# Gemini Filter Candle



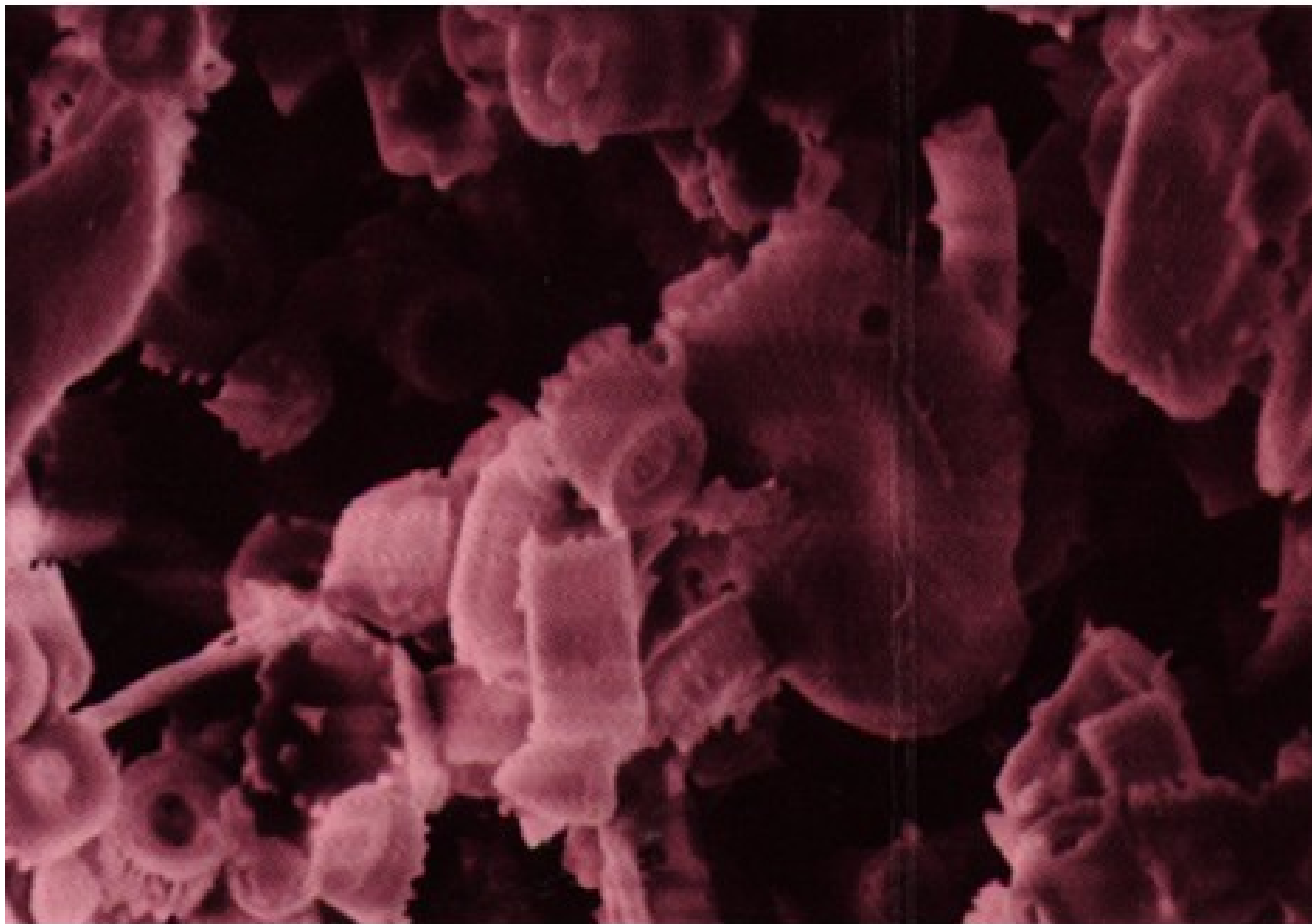
At the core of the Gemini Filter is the Gemini candle. It consists of a sturdy perforated tube covered with a 40 micron gauze with 38% open area. This in turn has six square section wires wound around it to give high structural strength to the assembly.

The advantages are as follows:

- Superb filteraid retention and high resistance to pressure surges as a result of the 40 micron septum.
- Resistance to septum blockage due to large open area 38% of gauze.
- Cake stability (i.e. precoat retention in no flow condition) resulting from keying action of the spiral wires
- Rapid back washing capability
- High structural strength of 10 Bar differential pressure in the forward and reverse flow directions
- Elimination of multi pre-coats. In fact the first pre-coat may be as fine as Dicalite grade UF.

All materials are stainless steel 316.





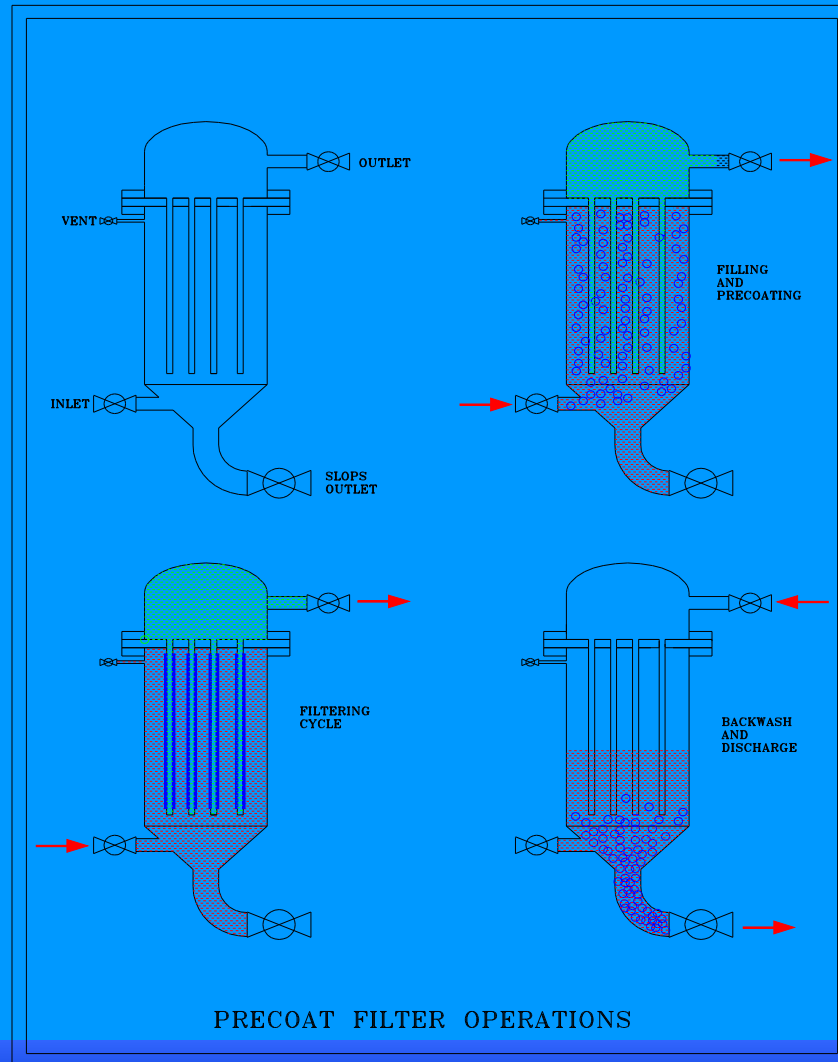
# DIATOMACEOUS EARTH FILTER MEDIA / D.E.

- ✦ FINE CHEMICALLY INERT POWDER
- ▢ FORMS A HIGHLY POROUS FILTER CAKE
- ▢ PROVIDES BILLIONS OF TINY DIRT HOLDING PORES
- ▢ VERY INEXPENSIVE

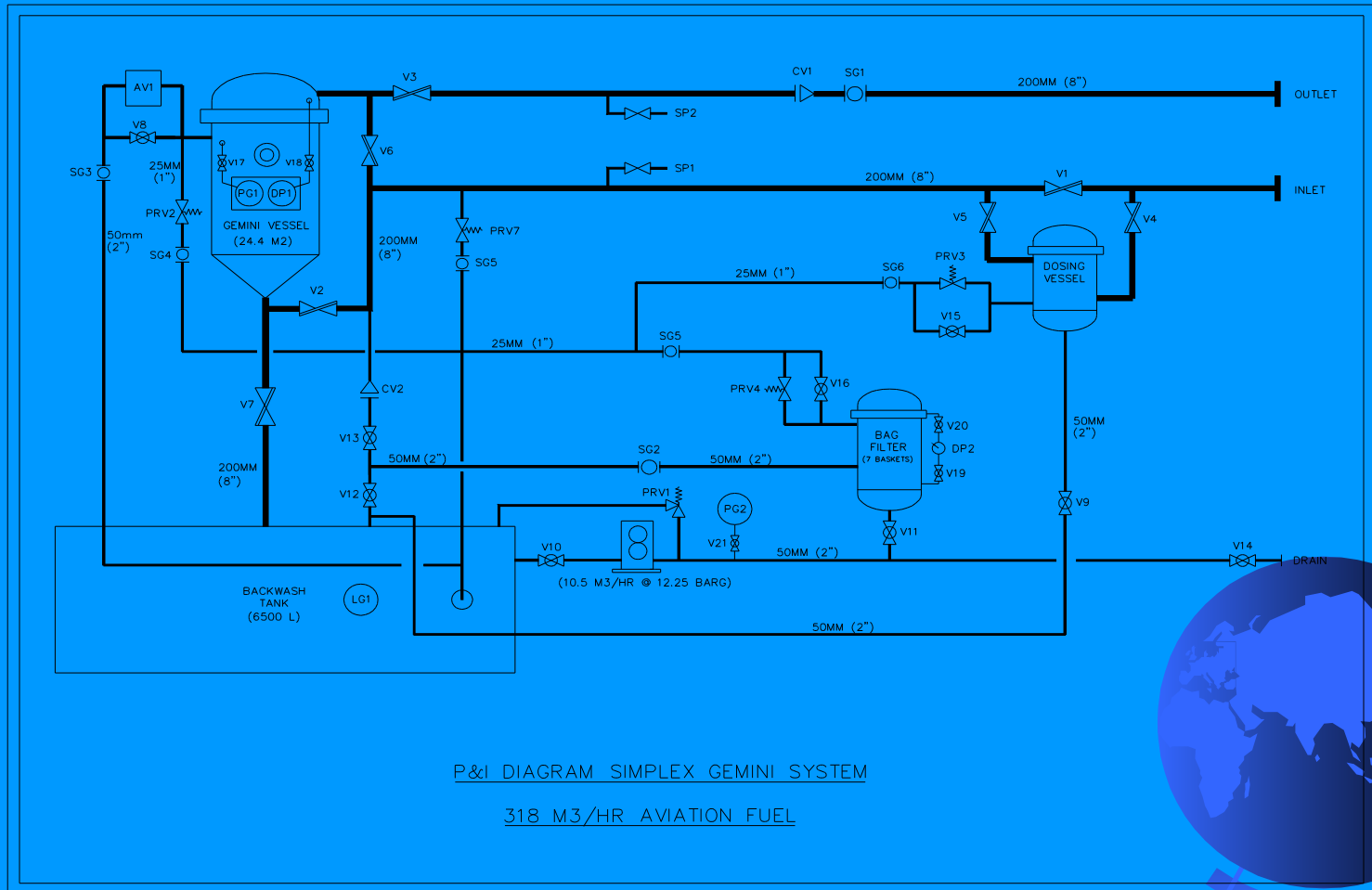




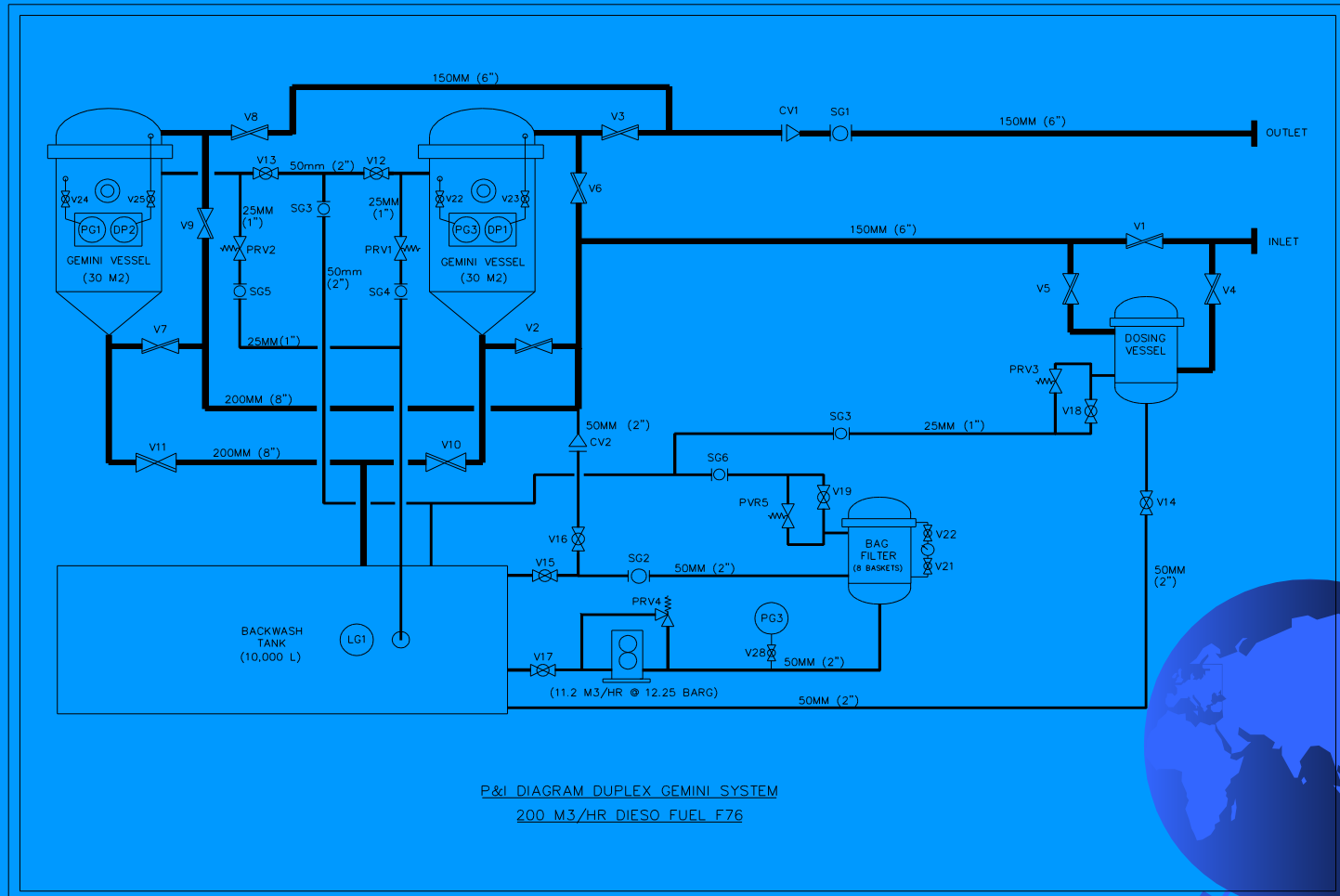
# Gemini Filter System



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SEXTON  
& PEAKE INC.  
*gemini*

MO-EXTEND

MAX-EXTEND

2-97  
SERVING